KHASANOV, A.S.

Zonal distribution of ground waters by their chemical composition in the Golodnaya Steppe. Mat. po proizv. sil. Uzb. no.15:40-50 '60. (MIRA 14:8)

1. Institut geologii AN UzSSR.
(Golodnaya Steppe—Water, Underground—Composition)

MAVLYANOV, G.A., akademik, prof., otv. red.; KENESARIN, N.A., prof., zam. otv. red.; LANGE, O.K., prof., red.; TULYAGANOV, Kh.T., inzh.-gidr., red.; ASHIRMATOV, S.A., kand. geol.-miner. nauk, red.; GAFUROV, V.G., kand. geol.-miner. nauk, red.; MIRZAYEV, S.Sh., kand. geol.-miner. nauk, red.; SULTANKHODZHAYEV, A.N., red.; KHODZHIBAYEV, N.N., kand. geol.-miner. nauk, red.; KHASANOV, A.S., kand. geol.-miner. nauk, red.

[Effect of irrigation on the secondary salinization of soils, the chemical composition, and regime of ground waters; Tashkent International Hydrogeological Symposium, August 6-12, 1962] Vliianie orosheniia na vtorichnoe zasolenie, khimicheskii sostav i rezhim podzemnykh vod; Tashkentskii mezhdunarodnyi gidrogeologicheskii simpozium 6-12 avgusta 1962 goda. Moskva, Nauka, 1964. 297 p. (MIRA 18:1)

1. International Symposium on the Influence of Irrigation on Secondary Salinization, Chemical Composition, and Ground Water Regime, Tashkent, 1962. 2. AN Uzbekskoy SSR (for Mavlyanov). 3. Chlen-korrespondent AN Uzbekskoy SSR (for Kenesarin).

MAVLYANOV, G.A., akademik, otv. red.; KENESARIN, N.A., zam. otv. red.; KRYLOV, M.M., prof., zam. otv. red.; GRAFUROV, V.G., kand. geol.-min. nauk, red.; KHASANOV, A.S., kand. geol.-min. nauk, red.; KHODZHIBAYEV, N.N., kand. geol.-min.nauk, red.; IVANOVA, M.F., kand. geol.-miner. nauk, red.; ISLAMOV, A.I., kand. geol.-min. nauk, red.; SULTAN-KHODZHAYEV, A.N., red.; ASTAKHOV, A.N., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Conditions in Uzbekistan from the point of view of hydrogeology and engineering geology] Gidrogeologicheskie i inzhenerno-geologicheskie usloviia Uzbekistana. Tashkent, Vol.1. 1963. 194 p. (MIRA 16:8)

1. Akademiya nauk Uzbekskoy SSR. Tashkent. Institut gidrogeologii i inzhenernoy geologii. 2. AN Uzb.SSR (for Mavlyanov). 3. Chlen-korrespondent AN Uzb.SSR (for Kenesarin).
(Uzbekistan--Water, Underground)
(Uzbekistan--Engineering geology)

GIL'M KAMAY; KHASANOV, A.S.

Diakyl-β-naphthyl phosphites. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.5:799-801 '63. (MIRA 16:12)

1. Kazanskiy khimiko-tekhnologicheskiy institut imeni S.M.Kirova, kafedra tekhnologii organicheskogo sinteza.

KHASANOV, B.F., kapitan meditsinskoy sluzhby

Device for active exercise of the knee joint. Voen.-med.zhur. no.6: 86 Je '51. (MLRA 9:9)

(ORTHOPEDIC APPARATUS) (KNEE--DISEASES).

KHASANOV, B.F.

Preparation for re-education of the knee joint. Khirurgiia, Moskva no. 12:70-71 Dec 1952. (OLML 23:3)

KHASANOV, E.I.

AUTHOR: KHASANOV, E.I., cand.tech.sc. PA - 2507

TITLE: The Development of the Metallurgy of Light Metals. (Conference at Irkutsk). (Raswitie metallurgii logkikh metallov, Soweshtanie Irkutske, Russian).

PERIODICAL: Vestnik Akademii Nauk, SSSR, 1957, Vol 27, Nr 2, pp 113 - 114, (U.S.S.R.)
Received: 5 / 1957 Reviewed: 6 / 1957

ABSTRACT: The XX. Congress of the Communist Party decided that the production of light metals in the eastern territories of the U.S.S.R. must be speeded up. The third conference on problems of coordination was convened (15 - 20 October 1956 at Irkutsk) by the institutions concerned. The present production figures of light metal production in Eastern Siberia were determined. Considerable success has been attained since the last conference on coordination which took place 2 years before. Great success was attained particularly with respect to the study of the physico-chemical properties of materials. Ores containing magnesia were investigated and the technology of the production of magnesia from these ores was dealt with. Investigations concerning the production of calcium from limestone were carried out.
Too little attention was pid to the investigations of methods for the production of rare and dispersed elements connected with the light metal ores.

Card 1/2

KHASANOV, G

KHASANOV, S.; RAKHIMOV, V.; KHASANOV, G.; BEGISHEV, Kh.; SHARAFUTDINOV, S.; KHUSANKHUZHAYEV, I.; ZHURAYEV, M., redaktor; ZHALOLOV, Zh., redaktor; UMANSKIY, P.A., teknicheskiy redaktor.

[Collective farm chairman's handbook] Kolkhoz raislari uchun sparavochnik. Toshkent, Uzbekiston SSR daflat nashrieti, 1956, 915 p. [In Uzbek] (MLRA 10:5)

(Collective farms)

KHASANOV, G.G.

Reconstruction of the lowering platform for repairing coke-oven doors. Koks i khim.no.5:35 '56. (MLRA 9:10)
(Coke ovens--Repairing)

KHASANOV, G.M., ptitsevod-lyubitel'.

Pervomaysk hens in private poultry yards. Ptitsevodstvo 8 no.9:45 S '58. (MIRA 11:10)

(Poultry breeds)

VALEYEV, A.M.; GOLEV, Yu.D.; GOLEVA, Z.N.; GOLOVKO, R.Ye.; ZAV'YALOVA, B.A.; ZARETSKIY, B.A.; ZVEREV, Ye.A.; LIPINSKIY, F.A.; MANGUSHEV, I.Kh.; MEYZLER, M.Kh.; MUTOVKIN, V.A.; RUDAKOV, Ya.D.; RUKOVANOV, B.P.; KHASANOV, G.M.; ESTRIN, Z.I.; ZUDIN, B.A., red.; BORUNOV, N.I., tekhn. red.

[Adjustment and operation of equipment in the Novo-Ufimskii Heat and Electric Power Plant] Naladka i ekspluatatsiia oborudovaniia na Novo-Ufimskoi TETs. Moskva, Gos. energ. izd-vo, 1961. 175 p. (MIRA 14:9)
(Bashkiria—Electric power plants)
(Bashkiria—Heating from central stations)

KHASANOV, I.A.

PHASE I BOOK EXPLOITATION SOV/5573

Akademiya nauk SSSR. Astronomicheskiy sovet

Byulleten' stantsiy opticheskogo nablyudeniya iskusstvennykh sputnikov Zemli. no. 5 (15) (Academy of Sciences of the USSR. Astronomic Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites. No. 5 (15)). Moscow, 1960. 17 p. 500 copies printed.

Sponsoring Agency: Astronomicheskiy sovet Akademii nauk SSSR.

Resp. Ed.: Ye. Z. Gindin; Ed.: D. Ye. Shchegolev; Secretary: O. A. Severnaya.

PURPOSE: This bulletin is intended for scientists and engineers concerned with optical tracking of artificial satellites.

COVERAGE: The bulletin contains six articles, two of which deal with the construction and operating principles of two new semiautomatic telescopes for tracking satellites. Two other articles are concerned with the reduction of data from photographs and the determination of satellite orbital parameters.

Card 1/4





The remaining articles discuss visual satellite observations and the results of photographic observations of the satellites 1958 $\delta_1$ and 1958 $\delta_2$. No personalities are mentioned. There are 2 references: 1 Soviet and 1 English.

TABLE OF CONTENTS:



Card 2/4

KHASANOV, KH. K.

29122

Rezl'taty ispytaniy chizyel'-kul'tivator "SKO". Trudy Bashkir. nauch.-issled. Polyevod. stantsii, t. III, 1948 (kolon-titul: 1947), S. 476-86 -- Bibliogr: 9 nazv.

3.. Pochvovyedyeniye Agrokhimiya i udobryeniya. Myelioratsiya (Lyesomyelioratsiya i polyezashchitnyye lyesnyye polosy--sm. XVII, 5zh. Postanovlyeniye Sovyeta Minnstron SSSR i Tsk VKP (b) o planye polyeazshchitnykh nasazhdyenny i komplyeksnyye matyerialy --sm. XVII, 1)

SO: LETOPIS' NO. 34

KHASANOV, K. KH.

Dissertation: "Problems of the Transcription of Geographical Names Into the Uzbek Language." Cand Geog Sci, Inst of Geography, Acad Sci USSR, Moscow, 1953. (Referativnyy Zhurnal--Geologiya/Geografiya, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

KHASANOV, Kh.

USSR/Geography Scientists

Card : 1/1 Pub. 45 - 19/20

Authors : Khasanov, Kh.

Title : Honoring N. L. Korzhenevskiy

Periodical : Izv. AN SSSR. Ser. geog. 4, Page 96, July - August 1954

Abstract : Eulogy, honoring N. L. Korzhenevskiy, Prof. Dr. of Geogr. Sciences, member of Acad. of Sc. USSR, on the occasion of his 75th birthday and half of a century of scientific work.

Institution : ....

Submitted : ....

KHASANOV, Kh.K.

Some observations on Uzbek geographical terminology. Izv.Uz.fil. Geog.ob-va 1:133-145 '55. (MLRA 10:3)
(Geography--Terminology)

KHASANOV, Kh.

Abu-Raihan al-Biruni on the possibility of the existence of the western continent. Izv. AN SSSR. Ser.geog. no.1:106-108 Ja-F '63. (MIRA 16:2)
(Al-Biruni, 973?-1048) (Geography, Medieval)

KHASANOV, Kh.Kh.

Al-Biruni's "Meteorology and climatology." Nauch. trudy TashGU no.193:11-14 '62. (MIRA 16:7)

(Al-Biruni, 973?-1048)

KORZHENEVSKIY, N.L.; DONTSOVA, Z.N.; KHASANOV, Kh.Kh., dots.; VASIL'KOVSKIY, N.P.; SKVORTSOV, Yu.A.; POSLAVSKAYA, O.Yu.; KOGAY, N.A., dots.; MAMEDOV, E.D.; AKULOV, V.V.; BABUSHKIN, L.N., prof.; SHUL'TS, V.L., prof.; GORBUNOV, B.V.; GRANITOV, I.I.; KOSTIN, V.P.; SMIRNOV, N.V., dots.; TSAPENKO, N.G., dots.; DEGTYAR', V.I.; CHERNOV, P.N.; MUKMINOV, F.G.; SELIYEVSKAYA, A.A.; RYABCHIKOV, A.M.; DALIMOV, N.D., dots.; LOBACH, Kh.S.; TADZHIMOV, T.; ARKAD'YEVA, A.N.; GAL'KOV, Ch.V.; SHTARKLOVA, S.I.; BESSONOV, M., red.; BAKHTIYAROV, A., tekhn. red.

[The Uzbek S.S.R.] Uzbekskaia SSR. Tashkent, Gos.izd-vo UzSSR, 1963. 483 p. (MIRA 16:8)
(Uzbekistan)

KHASANOV, Kh.

Undeciphered inscription on the Mahmud ibn al-Husain al-Kashghari map. Izv. AN SSSR Ser. geog. no.6:107-108 N-D '64 (MIRA 18:1)

1. Tashkentskiy gosudarstvennyy universitet.

VALIULLIN, A.V.; GIL'MANOV, I.G.; KHASANOV, Kh.Kh.; KOROL'CHUKA, V.M., red.; LODVIKOVA, A.S., red. izd-va; NABIULLINA, R.S., tekhn. red.

[Fruit culture of the Tatar A.S.S.R.] Sadovodstvo Tatarskoi ASSSR. Kazan', Tatarskoe knizhnoe izd-vo, 1960. 279 p. (MIRA 14:9)
(Tatar A.S.S.R.—Fruit culture)

Khasanov, M.

Feeding and Feeding Stuffs

Feed crop brigades on cotton-raising collective farms. M. Khasanov., Korm. baza, 2, no. 12, 1951.

Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

USSR / Cultivated Plants. Commercial, Oleaceous, Sugar Bearing. M-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6333

the exterior signs of the state of the plant and according to the sum of the medium daily temperatures during the period of blooming-fruit bearing. The spraying variant, according to the scheme 2-5-1, served as control. The experiment was carried out with cotton 108-f variety with the two following arrangements 60 x 50 x 3 (100,000 plants on 1 ha) and 50 x 50 x 3 (120,000 plants on 1 ha). It was established that the lowest average daily water rate and smaller irrigation norm were obtained with sprayings, according to the moisture of the soil and to the sum of the daily average temperatures. The number of sprayings was one less with these methods,

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USSR / Cultivated Plants. Commercial, Oleaceous, Sugar Bearing. M-4



Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6333

than with the others. Square-pocket plant distribution according to the scheme 50 x 50 x 3 produced a higher growth of the main stem in all variants of the experiment and a higher yield of cotton-wool than with the scheme 60 x 50 x 3. The highest yield was obtained with the irrigation method using external indicators and with soil moisture 70 - 70 - 60%, regardless of the arrangement. -- B. L. Klyachko-Gurvich

Card 3/3

KHASANOV, M.

Signals from below. Grazhd. av. 22 no.7:11 Jl '65. (MIRA 18:7)

1. Predsedatel' gruppy sodeystviya partiyno-gosudarstvennomu kontrolyu pri partiynom komitete Tashkentskogo aviatsionnogo podrazdeleniya.

KHASANOV, M.M., inzhener.

Automatic signal device indicating the lack of coal in a bunker of an industrial boiler unit. Energetik 2 no.2:14-15 F '54. (MLRA 7:4)
(Furnaces)

KHASANOV, M. M.

PHASE I BOOK EXPLOITATION SOV/4612

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Avtomatizatsiya proizvodstvennykh protsessov, vyp. 3 (Automation of Production Processes, No. 3). Moscow, 1960. 134 p. Errata slip inserted. 5,000 copies printed.

Resp. Ed.: V.L. Leontyevskiy, Professor, Doctor of Technical Sciences; Ed. of Publishing House: Ye. N. Grigor'yev; Tech. Ed.: G.M. Gus'kova.

PURPOSE: This collection of articles is intended for scientific and engineering personnel in industry.

COVERAGE: The present (third) volume of the collection of articles "Automation of Production Processes" contains data on general problems of automation of specific industries. Problems of classification analysis as applied to the automation of discrete engineering processes and typical solutions in the automatic of machines are developed; some average indices of capital and operational expenditures for industrial automation are considered. The effect of extended impulse pipelines on the stability of automatic-control systems containing regulators of pneumatic and hydraulic type is discussed. The selection and analysis of a generalized scheme of automatic air-conditioning for production purposes, applied to textile industry, are described. Finally, problems in the systematic training of engineering personnel in the field of automation of production processes are considered. No personalities are mentioned. There are 23 references: 23 Soviet, 1 Portuguese, 4 German, 1 French, and 1 Polish.



AVAILABLE: Library of Congress

Card 3/3

AC/ra/gsp
12-15-60

KHASANOV, M.M.

Automation of air delivery to an industrial installation with year-round air conditioning. Avtom. proizv. prots. no.3:102-129 '60. (MIRA 13:10)

(Air conditioning)

KHASANOV, M.M.

Equation for heat exchanging apparatus. Dokl. AN Tadzh. SSR 4 no.4:29-33 '61. (MIRA 15:1)

1. Otdel energetiki AN Tadzhikskoy SSR. Predstavleno akademikom AN Tadzhikskoy SSR S.U. Umarovym.
(Heat exchangers)

KHASANOV, M. M.

55

PHASE I BOOK EXPLOITATION SOV/6012

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Avtomaticheskoye regulirovaniye i upravleniye (Automatic Regulation and Control) Moscow, Izd-vo AN SSSR, 1962. 526 p. Errata slip inserted. 9000 copies printed.

Resp. Ed.: Ya. Z. Tsypkin, Professor, Doctor of Technical Sciences; Ed. of Publishing House: Ye. N. Grigor'yev; Tech. Ed.: I. N. Dorokhina.

PURPOSE: This book is intended for scientific research workers and engineers concerned with automation.

COVERAGE: The book is a collection of articles consisting of papers delivered at the 7th Conference of Junior Scientists of the Institute of Automation and Telemechanics, Academy of Sciences USSR, held in March 1960. A wide range of scientific and technical questions relating to automatic regulation and control is covered.

Card 1/12

The articles are organized in seven sections, including automatic control systems, automatic process control, computing and decision-making devices, automation components and devices, statistical methods in automation, theory of relay circuits and finite automatic systems, and automated electric drives. No personalities are mentioned. References are given at the end of each article.

TABLE OF CONTENTS:

PART I. AUTOMATIC CONTROL SYSTEMS

KHASANOV, M. M.

Cand Tech Sci - (diss) "Automatization of the air conditioning process in the textile industry." Moscow, 1961. 10 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Textile Inst); 250 copies; price not given; (KL, 10-61 sup, 219)

KHASANOV, M.M.

Automatically controlled system for round-the-year air conditioning. Tekst.prom. 22 no.2:67-73 F '62. (MIRA 15:3)

1. Zaveduyushchiy laboratoriyey avtomatiki otdela energetiki Tadzhikskoy Akademii nauk.
(Textile factories--Air conditioning) (Automatic control)

KHASANOV, M.M.

Equations of the controlled member and elements of the automatic control system of air conditioning units. Izv. Otd. geol.-khim. i tekh. nauk AN Tadzh. SSR no.2:3-21 '61. (MIRA 15:1)

1. Otdel energetiki AN Tadzhiskoy SSR.
(Air conditioning) (Automatic control)

KHASANOV, M.M.

Dynamics of automatic control systems for air conditioning units. Dokl. AN Tadzh. SSR 3 no.5:9-16 '60. (MIRA 16:2)

1. Otdel energetiki AN Tadzhikskoy SSR. Predstavleno akademikom AN Tadzhikskoy SSR S.U. Umarovym.
(Air conditioning) (Automatic control)

KHASANOV, O. Cand Biol Sci-- (diss) "Ecological and biological study of the wild alfalfa of the Chirchik-Angren basin for the purpose of introducing its cultivation," Tashkent, 1959. 16 pp (Acad Sci UzSSR. Inst of Botany), 175 copies (KL, 47-59, 114)

KHASANOV, O.; VASIL'CHENKO, I.T., doktor bil.. nauk, prof. otv. red.; KASYMOVA, I.S., red.; MOSHCHENKO, Z.V., red.; GOR'KOVA, Z.P., tekhn. red.

[Wild alfalfa in the Chirchik-Angren Basin] Dikorastushchie liutserny Chirchik-Angrenskogo basseina. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 154 p. (MIRA 15:7)
(Chirchik Valley--Alfalfa)
(Angren Valley--Alfalfa)

ERGASHEV, A.E.; UBAYDULLAYEV, U.; KHASANOV, O.

Reviews. Uzb. biol. zhur. 9 no.1:70-71 '65. (MIRA 18:6)

1. Institut botaniki AN UzSSR.

KHASANOV, O.Kh.

Toxic properties of Dendrodochium species isolated from the meadow-boggy soils of Uzbekistan. Uzb. biol. zhur. 7 no.5:46-48 '63. (MIRA 18:11)

1. Institut botaniki AN UzSSR.

KHASANOV, O.

Alfalfa species of the Chirchik-Angren Basin and outlook for their introduction into cultivation. Uzb. biol. zhur. no.3:15-21 '59. (MIRA 12:11)

1. Institut botaniki AN UzSSR.
(Chirchik Valley--Alfalfa) (Angren Valley--Alfalfa)
(Plant introduction)

KHASANOV, O.Kh.

Antibiotic characteristics of fungi of the genus Trichoderma Pers. Uzb.biol.zhur. 6 no.6:62-67 '62. (MIRA 16:5)

1. Institut botaniki AN UzSSR.
(UZBEKISTAN--TRICHODERMA) (ANTIBIOTICS)
(SOIL FUNGI)

KHASANOV, O.Kh.

Characteristics of fungi of the genus Trichoderma Pers. in meadowbog soils of the Uzbek S.S.R. Vop. biol. i kraev. med. no.4:131-136 '63. (MIRA 17:2)

ACCESSION NR: AP4043569 S/0146/64/007/004/0150/0154

AUTHOR: Khasanov, R. K.; Yermolayev, Yu. P.

TITLE: Stationary temperature field in a micromodule

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 4, 1964, 150-154

TOPIC TAGS: micromodule, temperature field, micromodule temperature field, temperature distribution, electronic equipment

ABSTRACT: The stationary field of a homogeneous isotropic cube (with a 1.2-cm edge) which simulated a micromodule is considered; also, the effects of the following factors on the field are analyzed: (1) variations of the shape and size of a single central heat source; (2) a high-thermal-conductance layer situated next to the heat source; (3) various deployments of heat sources in the module. These assumptions were made: (a) the source power does not vary with a variation of its configuration and place; (b) the temperature field of the source is uniform;

Card 1/2

L 33394-66 EWT(d)/EWT(1) IJP(c) WW

ACC NR: AR6012311 SOURCE CODE: UR/0274/65/000/010/B086/B086

AUTHOR: Khasanov, R. K.

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B

TITLE: Temperature field of a limited body having internal heat sources

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 10B636

REF SOURCE: Tr. Kazansk. aviats. in-ta, vyp. 85, 1964, 110-115

TOPIC TAGS: temperature distribution, microminiaturization

ABSTRACT: The stationary temperature field is analyzed inside of a homogeneous and isotropic (1.2 x 1.2 x 1.2-cm) cube which simulates a micromodule; different configurations and deployments of the internal heat sources and different temperatures at the cube boundaries are considered. An electrical simulator is used which comprises a net of constant resistors and represents a 3-dimensional discrete electrical equivalent of the field in question. The heat sources are simulated by currents in nodal points. The electric potential at the model boundaries is set by a voltage divider in proportion to the body surface temperature. By measuring the voltages at nodal points with respect to a point whose potential is assumed to be zero, a potential-field characteristic is obtained which represents a temperature rise at various points of the body. A quantitative interpretation of the solutions obtained from the electrical model is made on the basis of electro-thermal similarity. A. D. [Translation of abstract]

Card 1/1 SUB CODE: 09, 20/ UDC: 621.396.6.017.71

ACCESSION NR: AP4022711 S/0020/64/155/002/0306/0308

AUTHOR: Arifov, U. A. (Academician); Ayukhanov, A. Kh.; Sustrov, V. A.; Khasanov, R. M.; Poltoratskiy, V. I.

TITLE: Cathode sputtering of tungsten by potassium ions

SOURCE: AN SSSR. Doklady*, v. 155, no. 2, 1964, 306-308

TOPIC TAGS: cathode sputtering, tungsten sputtering, tungsten surface purification, tungsten, potassium ion, $_{74}W^{184}$, potassium

ABSTRACT: The authors investigated the sputtering of tungsten in a form of chemical compounds and also studied the conditions for obtaining a pure tungsten surface. Radioactive tracers were used for determination of the amount of sputtered material. Polycrystalline tungsten targets with induced activity ($_{74}W^{184}$) were bombarded with potassium ions. The sensitivity of detection was $10^{-9}$ gm. The experimental details were given in author's paper (Iz. AN UzSSR, No. 2, 1963). It was found, by using retarding or accelerating potentials, that

Card 1/2

EWT(m)/EPF(n)-2/EWD(m)/EPA(w)-2/T/EWP(t) IJP(c)

ACCESSION NR: AP5014[illegible]

36

[illegible] A. ; Khasanov, A. M. ; [illegible]

[illegible] of Ta and W cathodes at [illegible]

[illegible] elektronika, v. [illegible]

[illegible] disintegration, [illegible]

[illegible] is tagged with [illegible] [illegible] finally cleaned [illegible] disintegrated material. [illegible] and [illegible] mm and wide. [illegible] as an entrance for the [illegible] between the [illegible] mm [illegible] prevented [illegible] coefficient of [illegible] presented; the [illegible] "The discharge [illegible]

[illegible] cylinder [illegible] mica. [illegible] and cylinder [illegible] and [illegible]

ACC NR: [illegible]

temperatures exceeding a certain value [illegible] metal coefficient of disintegration of [illegible] depend on the [illegible] up 200°K. Orig. art. has [illegible] figures.

[illegible]

ENCL: [illegible] SUB CODE: EC

KHASANOV, S.; RAKHIMOV, V.; KHASANOV G.; BEGISHEV, Kh.; SHARAFUTDINOV, S.; KHUSANKHUZHAYEV, I.; ZHURAYEV, M., redaktor; ZHALOLOV, Zh., redaktor; UMANSKIY, P.A., teknicheskiy redaktor.

[Collective farm chairman's handbook] Kolkhoz raislari uchun sparavochnik. Toshkent, Uzbekiston SSR daflat nashrieti, 1956, 915 p. [In Uzbek] (MLRA 10:5)

(Collective farms)

KODYK, G.T.; STARICHENKO, V.S.; KHASANOV, Sh.I.

Crushing coal at the surface of Karaganda Basin mine complexes.
Nauch. trudy KNIUI no.13:324-327 '64 (MIRA 18:1)

KHASANOV, T.Kh., kand.med.nauk

The problem of stomach sarcoma. Med.zhur.Uzb. no.8:21-24 Ag '62. (MIRA 16:4)

1. Iz kafedry onkologii (zav. - prof. B.L.Bronshteyn) Tashkentskogo gosudarstvennogo instituta usovershenstvovaniya vrachey.

(STOMACH--CANCER)

KHASANOV, T.Z.

Diseases involving temporary incapacity among workers of the Margelan silk combine. Med. zhur. Uzb. no.12:34-35 D '61. (MIRA 15:2)

1. Iz Margelanskogo gorodskogo otdela zdravookhraneniya (nauchnyy rukovoditel' - dotsent A.Z.Zakhidov).
(MARGELAN--TEXTILE WORKERS--DISEASES AND HYGIENE)

KHASANOV, T. Z.

Chemical composition and bacterial contamination of industrial waters [used] in the process of reeling. Med. zhur. Uzb. no.6: 3-6 Je '62. (MIRA 15:7)

1. Iz Margelanskogo gorodskogo otdela zdravookhraneniya Ferganskoy oblasti UzSSR (nauchnyy rukovoditel' - dotsent A. Z. Zakhidov).

(SILK MANUFACTURE AND TRADE)
(INDUSTRIAL WASTES—MICROBICLOGY)

KHASANOV, T.Z.

Effect of factory conditions at the Margelan silk combine on the incidence of angina. Med.zhur.Uzb. no.3:68-69 Mr '62. (MIRA 15:12)

1. Iz Margelanskogo gorodskogo otdela zdravookhraneniya Ferganskoy oblasti (nauchnyy rukovoditel' - dotsent A.Z. Zakhidov).

(TONSILS--DISEASES)
(MARGELAN--SILK MANUFACTURE--HYGIENIC ASPECTS)

KHAZANOV, V.S.

BELEN'KIY, L.I.; KAZANSKAYA, M.Ye.; KHAZANOV, V.S.; YUROV, S.G.

Testing the whiteness of fabrics with a FT-1 textile photometer. Tekst.prom. 15 no.4:43-47 Ap '55. (MIRA 8:5)
(Photometry) (Textile fabrics--Testing)

L 29117-66 EWT(1) RO

ACC NR AP6018846 SOURCE CODE: UR/0242/65/000/007/0048/0050

AUTHOR: Atabayev, Sh. T. (Candidate of medical sciences); Hasanov, Yu. U. (Junior scientific associate)

ORG: Uzbek Scientific Research Institute of Sanitation, Hygiene, and Occupational

TITLE: Determination of small quantities of aldrin in water

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 7, 1965, 48-50

TOPIC TAGS: insecticide, water pollution, quantitative analysis, qualitative analysis, colorimetry, solvent extraction, distillation

ABSTRACT: A method for the qualitative and quantitative determination of aldrin in water is described in the article. Aldrin is a pesticide considerably more toxic than DDT and hexachlorocyclohexane; it is widely used in agriculture, and contamination of water reservoirs by the chemical is always possible. The method of its determination in water is based on the fact that aldrin reacts with phenylazide, producing aldrinphenyldihydrotriazole; the latter combines with diazotized 2,4-dinitroaniline and in an acid medium produces a compound which can be colorimetrically analyzed.

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L 29117-66
ACC NR: AP6018846

The qualitative determination of aldrin is accomplished by the separation of the chemical from the water with sulfuric ether, and its processing with petroleum ether, absolute ethyl alcohol, and diazotized 2,4-dinitroaniline. The quantitative determination is carried out either by filtration or extraction, and treatment with petroleum and sulfuric esters and absolute ethyl alcohol.

Absolute ethyl alcohol is prepared by placing 500 milliliters of ethyl alcohol in a flask to which unslaked lime is added; the latter coagulates any extraneous matter in the alcohol; the coagulated lumps are allowed to settle, and the alcohol is then boiled for two hours with a reflux condenser, and left standing over night. Next day the alcohol is distilled, and the distillate is ready for use. The diazotized 2,4-dinitroaniline is prepared by diluting the chemical with 30 milliliters of sulfuric acid and cooling the solution to 0°C; 0.7 grams of finely powdered sodium nitrite is added to the solution; it is then kept on ice for one hour and at room temperature for two hours; with the addition of 40 milliliters of orthophosphoric acid at a temperature not exceeding 20 degrees the reagent is ready for use. It should be kept on ice until needed for application; it should then be kept at room temperature. The method proved to be highly sensitive when laboratory tested. [JPRS]

SUB CODE: 07, 06 / SUBM DATE: 15Sep64

Card 2/2

KHASANOV, Z.

AID P - 3594

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 11/26

Author : Khasanov, Z.

Title : A dream comes true

Periodical : Kryl. rod., 11, 15, N 1955

Abstract : A narration about a young man who wants to fly and with the help of the DOSAAF makes his dream come true. Photo.

Institution : DOSAAF

Submitted : No date

KHASANOVA, G.Sh.

Natural and petroleum (casinghead) gas of the gas and oil fields of Fergana Valley. Gaz. delo no.10:35-38 '64.

(MIRA 18:1)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

KHASANOVA, G.Sh.

Distribution of maintenance expenditures in the production of natural gas and condensate. Izv. vys. uchob. zav.; neft' i gaz 7 no.5:115-119 '64. (MIRA 17:9)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M. Gubkina.

KHASANOVA, G.Sh.

Method for caclulating the cost of the production of natural gas and condensate. Gaz. prom. 9 no.8:43-47 '64.

(MIRA 17:9)

KHASANOVA, K. A.

KHASANOVA, K. A. - "A comparative evaluation of the effect of preparations of lily of the valley and strophantin in circulatory insufficiency, taking special account of peripheral circulation and respiration". Moscow, 1955. Min Health USSR. Central Inst for the Advanced Training of Physicians. (Dissertation for the degree of Candidate of Medical Sciences).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

KHASANOVA, K.M., kand.med.nauk

Megakaryocytic variant of osteomyelosclerotic leucosis. Zdrav. Tadzh. 6 no.6:25-27 '59. (MIRA 13:4)

1. Iz 3-y kafedry terapii TSentral'nogo Instituta usovershenstvovaniya vrachey (zav. kafedroy - chlen-korrespondent AMN SSSR, zasluzhennyy deyatel' nauki prof. I.A. Kassirskiy).
(LEUKEMIA)

KHASANOVA, K.A., kand.med.nauk

Clinical variants, course, and certain aspects of the treatment of osteomyeloreticulosis. Terap.arkh. 31 no.8:36-41 Ag '59. (MIRA 12:11)

1. Iz 3-y kafedry terapii (zav. - chlen-korrespondent AMN SSSR zasluzhennyy deyatel' nauki prof. I.A. Kassirskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.
(ANEMIA, LEUKOERYTHROBLASTIC)

KHASANOVA, K.A., kand.med.nauk, assistent

Diagnosis of osteomyeloreticulosis. Zdrav. Tadzh. 7 no. 3:22-26 My-Je '60. (MIRA 14:4)

1. 1-ya gospital'naya terapevticheskaya klinika Stalinabadskogo meditsinskogo instituta imeni Abuali ibni Sino.
(LEUKEMIA)

KHASANOVA, K.A., kand.med.nauk

Comparative evaluation of convallatoxin and strophanthin.
Sov.med. 24 no.11:144-148 N '60. (MIRA 14:3)

1. Iz kafedry vtoroy terapii (zav. - prof. B.Ye.Votchal) TSentral'nogo instituta usovershenstvovaniya vrachey.
(CONVALLARIA) (STROPHANTHIN)

KHASANOVA, K.A., kand.med.nauk (Moskva, G-99, 2-y Nikolo-shchepovskiy per., d.4, kv.2)

X-ray diagnosis of osteomyelosclerosis. Vest. rent. i rad. 35 no. 5:12-16 My-Je '60. (MIRA 14:2)

1. Iz 3-y kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I.A. Kassirskiy) TSentral'nogo instituta usovershenstvovaniya vrachey i kafedry patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta.

(OSTEOSCLEROSIS) (ANEMIA)

KASSIRSKIY, I.A.; KHASANOVA, K.A.

Hematological errors in indications for splenectomy. Khirurgiia 36 no.2:31-39 F '60. (MIRA 13:12)
(SPLEEN—SURGERY) (HEMATOPOIETIC SYSTEM—DISEASES)

KHASANOVA, K.A.

Cytological characteristics of systemic myeloproliferation in osteo- and myelosclerosis. Probl. gemat. i perel. krovi 6 no.3: 12-18 Mr '61. (MIRA 14:3)

(ANEMIA)

KHASANOVA, K.A.

Treatment of anemic crises in osteo- and myelo-sclerosis with corticosteroid hormones. Probl.gemat.i perel.krovi no.6:31-34 '61. (MIRA 14:10)

1. Iz III kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I.A. Kassirskiy) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D. Kovrigina).
(ADRENOCORTICAL HORMONES) (BONES--DISEASES)
(MARROW--DISEASES)

KHASANOVA, K.A., kand.med.nauk

Treatment of osteomyelosclerosis and myelosclerosis with myelosan. Zdrav. Tadzh. 8 no.1:54-56 '61. (MIRA 14:3)
(METHANESULFONIC ACID) (MARROW--DISEASES)

KHASANOVA, K.A.

Postsplenectomy syndrome in osteomyelosclerosis and myelofibrosis. Probl.gemat.i perel.krovi no.3:19-26 '62. (MIRA 15:3)

1. Iz 3-y kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I.A. Kassirskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.
(SPLEEN--SURGERY) (LEUKEMIA)

ACCESSION NR: AP5017236 UR/0140/64/000/005/0000/0000

[illegible] Samarkand); Khasanova, M. [illegible]

[illegible]ribution of singular points of a first [illegible]

[illegible]ematika, no. 5, 1964, [illegible]

TOPIC TAGS: differential equation, distribution [illegible]

[illegible] is a study of [illegible] of [illegible] equation

[illegible] this [illegible] heterogeneous [illegible] Soviet [illegible] existence of a [illegible] the curves of [illegible]

ACCESSION NR: AP5017236

the case in which the origin is at the center, A. H. BERLINSKIY has developed several general theorems concerning the singular points of Equation (1).

[illegible]

quadrangle is convex, then either [illegible]

[illegible] will be three extra[illegible]

[illegible] points, and the interva[illegible]

[illegible] that the number of singu[illegible]

[illegible] does not exceed two.

[illegible] of this theorem, intended [illegible]

[illegible] ex one, is nonrigorous and [illegible]

This paper includes the [illegible]

[illegible]le and rigorous, and does [illegible] numerator

[illegible] the right hand member of [illegible]

[illegible] $y_j$ are four singular points [illegible]

AP50 7236

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] provided the characteristic [illegible]

[illegible] obtain the parabolas

$$u^2 = -4[illegible] + k - [illegible]$$

$$v^2 = -4[illegible] + k - [illegible]$$

[illegible] bounded by parabola [illegible]

[illegible] bounded by parabola [illegible]

[illegible] belonga to the second group [illegible]

AP5017236

[illegible] similarity, if M [illegible] and if it falls outside [illegible] dary of [illegible] and [illegible] A and B may both [illegible] intersect and point M [illegible]

[illegible] a singular node if [illegible] singular nodes quadrangle [illegible] lines AB AM [illegible] case. [illegible] tangent line of [illegible] tangent line of [illegible] lines [illegible] or if [illegible] coordinates of point [illegible] singular nodes [illegible] to. [illegible] convex and its [illegible] that if A and B are [illegible] that [illegible] was a saddle point [illegible] greater [illegible] a saddle point [illegible] less than zero [illegible] quadrangle [illegible] has 3 figures and [illegible] formulas.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721910005-6"

USSR/Soil Science - Biology of Soils. J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100039

Author : Gazisullin, A.Kh., Khasanova, M.Kh.

Inst : Volga Region Forest Engineering Institute

Title : Character of the Total Microbiological Activity of the Principal Forest Soils in MASSR

Orig Pub : Sb. stud. rabot. Novolzhsk. lesotechn. in-t, 1956, vyp. 3, 89-91

Abstract : The total microbiological activity of the soil were determined by the quantity of the carbon dioxide gas liberated from the soil under laboratory conditions. Simultaneously, the humus content (according to Tyurin) and the pH value were determined. The more intensive microbiological activity was established in the forest litter. In the humus-accumulated horizon $A_1$, the

Card 1/2

KHASANOVA, M.R.; CHEREDEYEVA, V.S.; SAVOS'KIN, I.P.

Tetraploid forms of promising early varieties of sugar beets. Izv. SO AN SSSR no.8. Ser. biol.-med. nauk no.2:90-93 '65. (MIRA 18:9)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

VOL'FSON, I.S.; ARAMYAN, Ye.S.; YUDINTSEVA, I.P.; KHASANOVA, N.A.

Effect of the fractional composition on the rate of the extraction of aromatic hydrocarbons. Nefteper. i neftekhim. no. 3:29-30 '64. (MIRA 17:5)

1. Tatarskiy nauchno-issledovatel'skiy institut g. Kazan'.

[illegible] S., Aramyan, Ye.S [illegible]

[illegible] fractional composition [illegible]

[illegible] petrochemical [illegible]

[illegible] refining, aromatic [illegible]

[illegible] gasoline fractions [illegible] were used in the study. [illegible] compounds were compared [illegible] benzene, toluene, xylene [illegible] The content of aromatic [illegible] was determined by the [illegible] assembly with a [illegible] It was found that [illegible] of aromatic hydrocarbons [illegible] in the [illegible]

AP4042882

[illegible] 85C, 63-120C), the recovery [illegible] hydrocarbons was less than [illegible] from [illegible] under 62-120C fraction. [illegible] benzene and [illegible] recovery of xylene [illegible] improve [illegible] 62-120C [illegible] the xylene fraction under condi[illegible] the te- [illegible] table.

[illegible] Institute, Kazan

ENCL: [illegible]

OTHER [illegible]

ACC NR: AP6014704 (A) SOURCE CODE: UR/0360/65/000/004/0064/0072

AUTHOR: Khasanova, N. F.; Skakun, A. I.; Gladyshev, G. P.

ORG: none

TITLE: Kinetics of photopolymerization of styrene at low temperature

SOURCE: AN KazSSR. Izvestiya. Seriya khimicheskikh nauk, no. 4, 1965, 64-72

TOPIC TAGS: styrene, polymerization kinetics, low temperature phenomenon, quinone, chemical reaction kinetics, photopolymerization

ABSTRACT: Purified and vacuum distilled styrene (b.p. 38C at 25 mm Hg) was photopolymerized with diacetyl (b.p. 84C at 700 mm Hg) in the range of +40 to -25C. Rate of initiation was controlled by a quinone retardant. A mercury lamp served as the light source. The results are plotted graphically and indicate significant deviations from the Arrhenius equation. Activation energy calculated from initial reaction rate values decreased from 12.5 kcal/mol at 30C to 3.8 kcal/mol at -25C. Molecular weights were derived from the synthesized polymers. Their decrease in the low temperature range proved abnormally severe. Activation energy of the initiation reaction was calculated for the entire temperature range and varied from 8.0 to

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40100-66

ACC NR: AP6014704

-8.0 kcal/mol. The energy of activation for a viscous flow of styrene and solutions of the synthesized polymers proved to be a variable magnitude. Orig. art. has: 11 figures.

SUB CODE: 07/ SUBM DATE: 19May65/ ORIG REF: 008/ OTH REF: 003

Card 2/2

RAFIKOV, S.R.; GLADYSHEV, G.P.; KHASANOVA, N.F.; CHUBBAKOVA, N.V.

Effect of the nature of initiator on the mass polymerization of methyl methacrylate. Trudy Inst. khim. nauk AN Kazakh. SSR 11:19-24 '64. (MIRA 17:11)

KHASANOVA, N.F.; CHURBAKOVA, N.V.; GLADYSHEV, G.P.

Polymerization of methyl methacrylate in the presence of dimethyl peroxydicarbonate. Trudy Inst. khim. nauk AN Kazakh. SSR 11:30-35 '64. (MIRA 17:11)

L 1158-66 EWT(d)/EWT(1)/EPF(c)/EEC(k)-2/T/ETC(m)/EPF(n)-2 IJP(c) WW

ACCESSION NR: AP5021892

UR/0020/65/163/006/1423/1425

AUTHORS: Gladyshev, G. P.; Khasanova, N. F.

TITLE: On the peculiarities of low-temperature photopolymerization of styrene

SOURCE: AN SSSR. Doklady, v. 163, no. 6, 1965, 1423-1425

TOPIC TAGS: polymerization, polymer, styrene, polystyrene, photopolymerization, diacetyl

ABSTRACT: The investigation was undertaken to show that the anomalous behavior of styrene during low-temperature sensitized photopolymerization, previously reported by G. P. Gladyshev (DAN, 163, 5, 1965), is also observed in the absence of sensitizer. The photopolymerization was carried out by irradiation with UV light $\lambda = 365\ m\mu$. Quinone was used as inhibiting agent. The experimental results are shown graphically in Fig. 1 on the Enclosure. The activation energy for photopolymerization of styrene in presence of diacetyl was determined, and its results are also shown graphically. In addition, the activation energy for viscous flow of styrene as a function of sensitizer concentration was determined. From the experimental results it is concluded that the apparent deviation from Arrhenius' law results from the change in the initiation and termination rates

Card 1/3

L 1158-66

ACCESSION NR: AP5021892

with a change in temperature. "The authors thank S. S. Medvedev, Academician of the AN KazSSR S. R. Rafikov, and Professor V. S. Yenikolopyan for their valuable discussions and advice." Orig. art. has: 4 graphs.

ASSOCIATION: Institut khimicheskikh nauk, Akademii nauk KazSSR (Institute for Chemical Science, Academy of Sciences KazSSR)

SUBMITTED: 10Feb65 ENCL: 01 SUB CODE: OC,GC

NO REF SOV: 002 OTHER: 002

Card 2/3

L 1158-66

ACCESSION NR: AP5021892

ENCLOSURE: 01

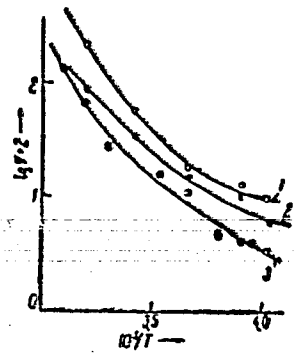


Fig. 1.
Dependence of the log V (%/hour) on 1/T for photopolymerization of styrene.
1- data G. P. Gladyshev, (DAN, 163, 5, 1965); 2- data for sensitized polymerization for 5% conversion of monomer to polymer. 3- initial polymerization rate under the influence of $\lambda$ = 365 m$\mu$ light

Card 3/3

KHASANOVA, N.Kh.

Use of cortisone in ophthalmology. Sov.zdrav.Kir. no.2:34-37 Mr-Ap '63. (MIRA 16:5)

1. Iz kafedry glaznykh bolezney (zav. - S.M. Dobrova) Kirgizskogo gosudarstvennogo meditsinskogo instituta.
(CORTISONE) (EYE--DISEASES AND DEFECTS)

KHASANOVA, N.A.

Tomographic study of tumors of the sellar group. Kaz. med. zhur. no. 4:42-45 Jl-Ag '60. (MIRA 13:8)

1. Iz 1-y kafedry rentgenologii i radiologii (zav. - prof. M.Kh. Fayzullin) Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey im. V.I. Lenina.
(SKULL—RADIOGRAPHY) (PITUITARY FOSSA—TUMORS)

VOL'FSON, I.S.; ARAMYAN, Ye.S.; YUDINTSEVA, I.P.; KHASANOVA, N.A.

Extraction of aromatic hydrocarbons with sulfolane. Khim.i tekh.topl.i masel 8 no.2:6-9 F '63. (MIRA 16:10)

VOROB'YEVA, Ye.S., assistent; KHASANOVA, N.A.

Clinical aspects of multiple myeloma (Rustitski-Kahler disease). Kaz. med. zhur. 41 no.3:69-71 My-Je '60. (MIRA 13:9)

1. Iz 1-y terapevticheskoy kliniki (zav. - prof. L.M.Rakhlin) i 1-y kafedry rentgenologii (zav. - prof. M.Kh. Fayzullin) Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey im. V.I. Lenina.

(MARROW--DISEASES)

Khasanova, N. Kh.

YENIKE'YEVA, Kh.Sh.; KHASANOVA, N.Kh.; RAKHIMZHANOVA, M.T.

Condition of the vegetative nervous system in glaucoma. Vest. oft., Moskva 31 no. 5:24-29 Sept-Oct 1952. (CLML 23:3)

1. Candidate Medical Sciences. 2. Of the Eye Clinic (Director -- Prof. O. A. Dudinov), Kirgiz Medical Institute.

KHASANOVA, N. KH.

Khasanova, N. Kh. -- "The Neural Factor in the Pathogenesis and Treatment of Chemical Burns of the Eye." First Moscow Order of Lenin Medical Inst, Moscow, 1955 (Dissertation for Degree of Doctor of Medical Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

KHASANOVA, N. KH.

KHASANOVA, N.Kh.

Kunt-Shimanovskii operation and S.D. Dudinov's modification.
Vest. oft. 74 no.2:55-57 '61. (MIRA 14:4)
(EYLIDS--SURGERY)

KHURGIN, M.I., dots.; KHASANOVA, R.I.

Bone marrow aplasia following myleran therapy in chronic myeloid leukemia. Probl.gemat. i perel.krovi 4 no.1:52-53 Ja-F '59. (MIRA 12:2)

1. Iz gospital'noy terapevticheskoy kliniki (zav. prof. A.A. Demin) Novosibirskogo meditsinskogo instituta.

(BUSULFAN, inj. eff.
anemia, aplastic, in myelocytic leukemia
ther. (Rus))
(ANEMIA, APLASTIC, etiol. & pathogen.
busulfan ther. of myelocytic leukemia (Rus))
(LEUKEMIA, MYELOCYTIC, ther.
busulfan, causing myelocytic leukemia (Rus))

KHASANOVA, R.N.

PHASE I BOOK EXPLOITATION SOV/3537

Akademiya nauk Kazakhskoy SSR. Institut khimicheskikh nauk

Trudy, t. 5 (Transactions of the Institute of Chemical Sciences, Kazakh SSR, Academy of Sciences, Vol 5) Alma-Ata, Izd-vo Akademii nauk Kazakhskoy SSR, 1959. 154 p. 1,000 copies printed.

Ed.: N.D. Zhukova; Tech. Ed.: Z.P. Borokina; Editorial Board of Series: D.V. Sokol'skiy (Resp. Ed.), V.G. Getsalyuk, and B.V. Suvorov (Resp. Secretary).

PURPOSE: This collection of articles is intended for personnel of scientific research laboratories, laboratories of industrial enterprises, and faculty members of schools of higher education.

COVERAGE: The collection reviews problems of liquid-phase catalytic hydrogenation to upgrade and reactivate various products. Hydrogenation of unsaturated bonds of various types, adsorption of hydrogen on different catalysts, chromatographic separation of mixtures, and the effect of halogen salts of alkali metals on the rate of hydrogenation reactions promoted by various skeleton catalysts are described. Conditions of catalytic hydrogenation of natural fat, sunflower oil, and such synthetic products as esters of high-molecular fatty acids are set out. Dehydration of the butane fraction carried out in combination with isomerization is analyzed. Principles of selecting catalysts and regenerating them are reviewed and the formation of adsorption potentials on metal catalysts is explained. Each article presents conclusions drawn on the basis of experimental findings. References accompany most of the articles.



Card 4/5

22562
S/190/61/003/005/005/014
B101/B218

15.8107 2209

AUTHORS: Rafikov, S. R., Zhubanov, B. A., Khasanova, R. N., Gumargaliyeva, K. Z., Sagintayeva, K. D.

TITLE: Studies in the field of polymer synthesis. I. Synthesis of polyamides on the basis of xylylene diamines

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 5, 1961, 699-705

TEXT: Proceeding from the fact that heat-resistant polyamides suitable for fiber and glass production are formed by symmetric, aliphatic-aromatic diamines, a study has been made of the reactions of m-xylylene diamine (A) and n-xylylene diamine (B) with adipic acid (1), azelaic acid (2), sebacic acid (3), o-phthalic acid (4), isophthalic acid (5), and terephthalic acid (6). The synthesis of esters of A with 1, 2, 4, and 5, and of B with 1 and 3 was performed by mixing diamine solutions and acid in 95% alcohol. B was synthesized with 2, 4, and 5 at the boiling temperature of the alcoholic solution. The resulting ester was filtered off. The precipitate was formed not before 24 hr. Since terephthalic acid is hardly soluble in organic solvents, synthesis A + 6 was effected by addition of the acid to the

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